

FIG. 1

FLK-1	866	ILIHIGHHLNVVNLLGACTKPGGPLMVIVEFSKFGNLSTYLRGKRNEFVPYKSKGARFRQ
KDR		-----C--D-----S-----T-----
TKR-C		-----C-----S-----
FLK-1	926	GKDYVGELSVDLKRRLDSITSSQSSASSGFVEEKSLSDVVEEEEASEELYKDFTLEHLIC
KDR		-----AIP-----P-D-----
TKR-C		-----
FLK-1	986	YSFQVAKGMEFLASRKCIHRDLAARNILLSEKNVVKICDFGLARDIYKDPDYVRKGDARL
KDR		-----
TKR-C		-----

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FIG. 2A

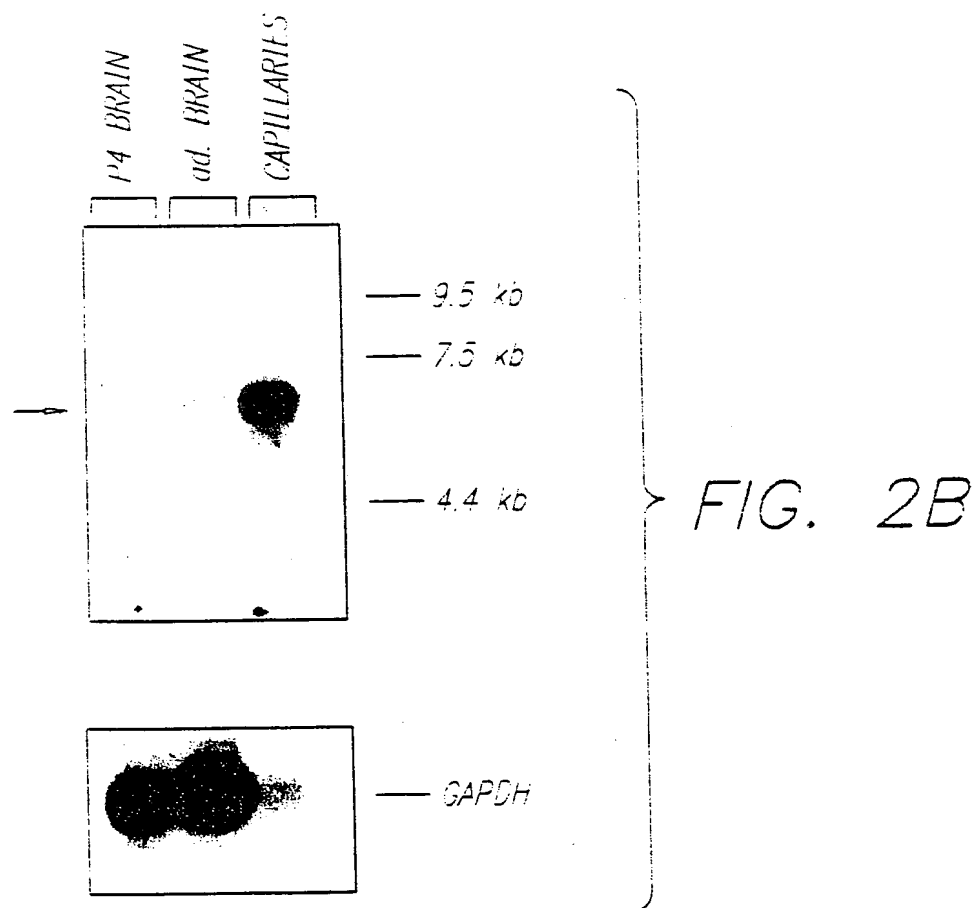
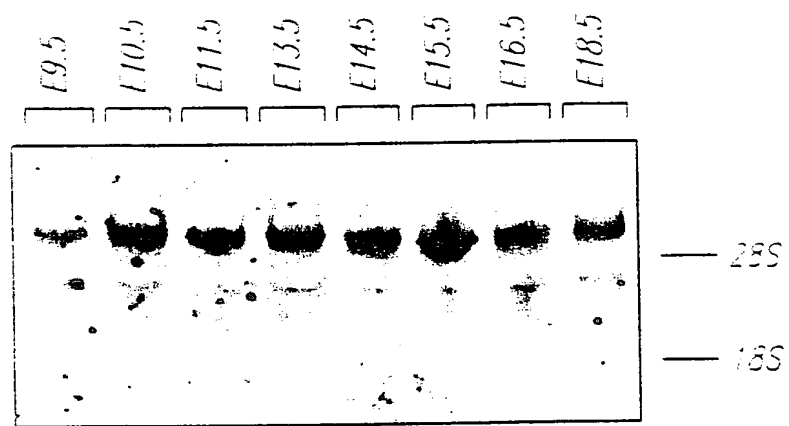
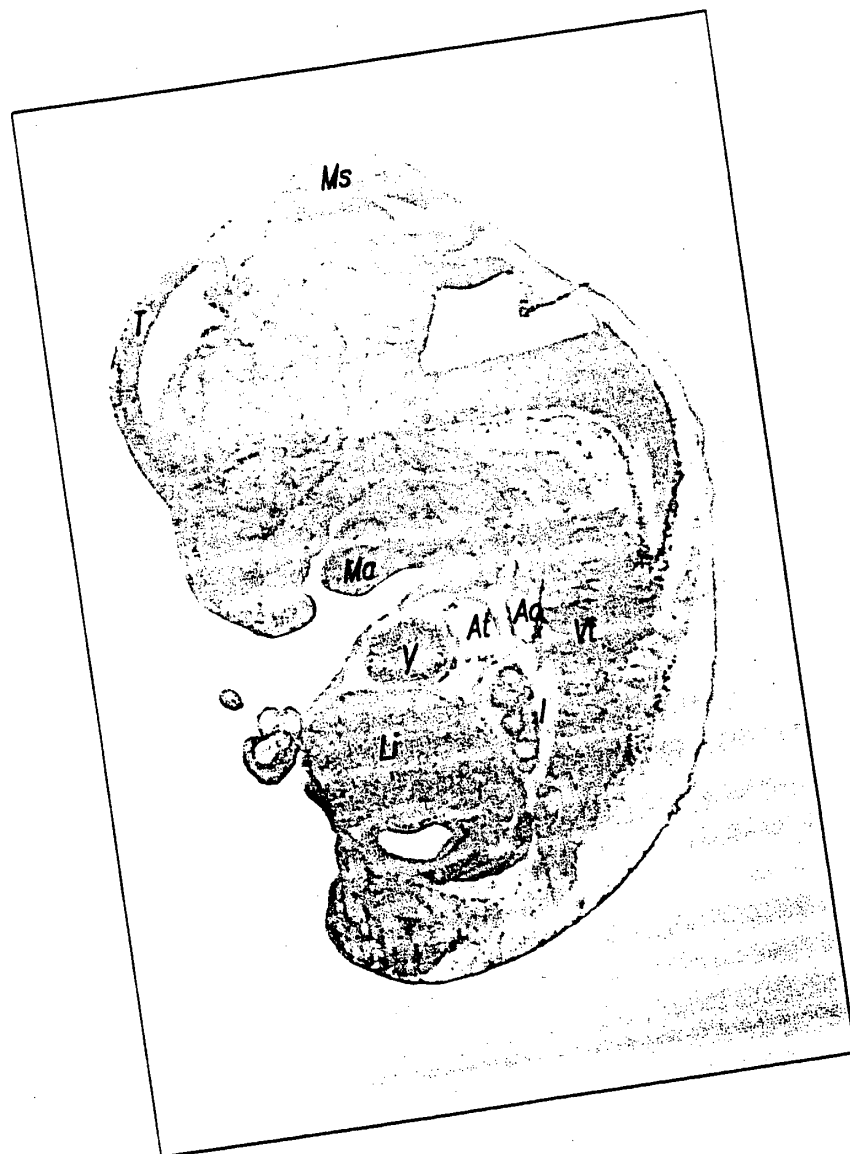


FIG. 3A



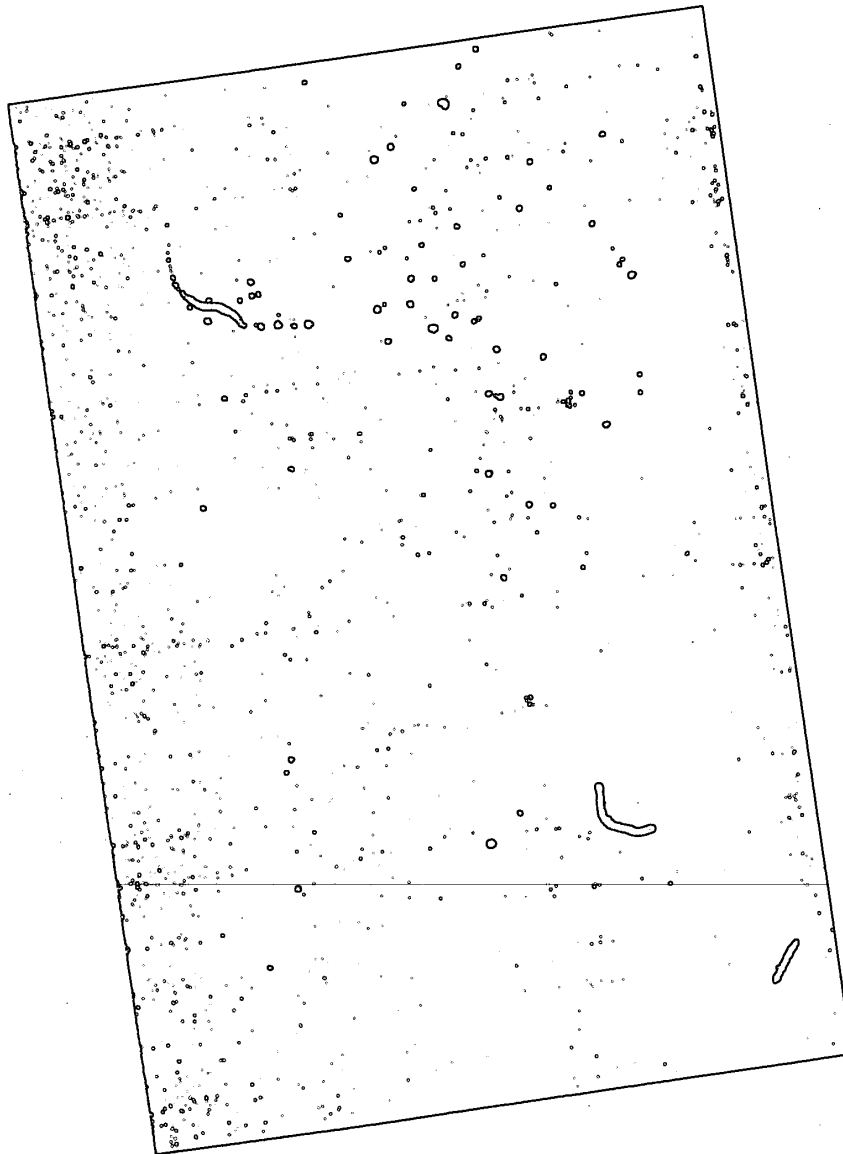
100000X

FIG. 3B



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FIG. 3C



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FIG. 4A

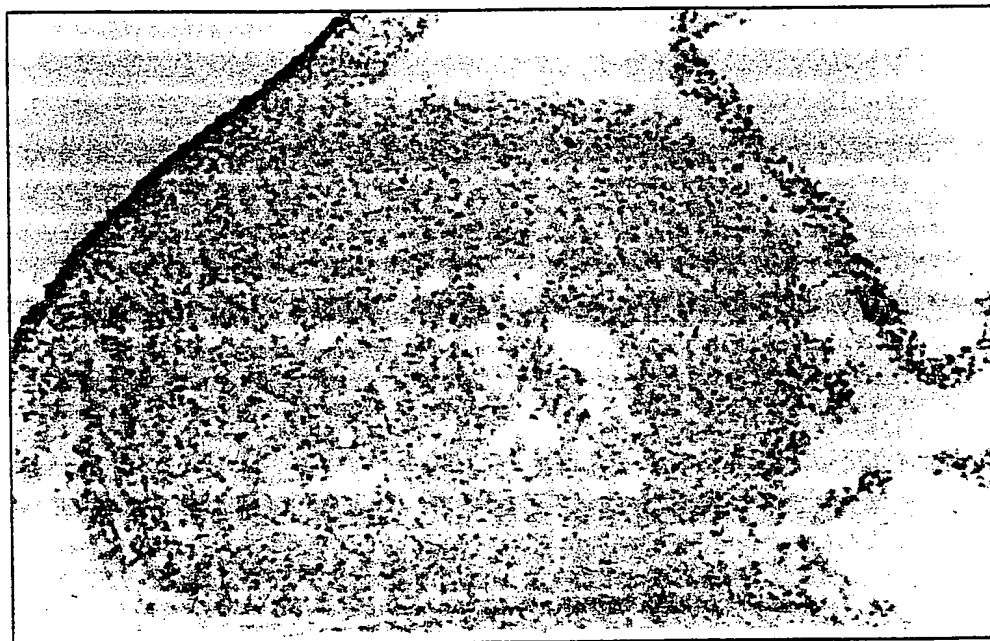
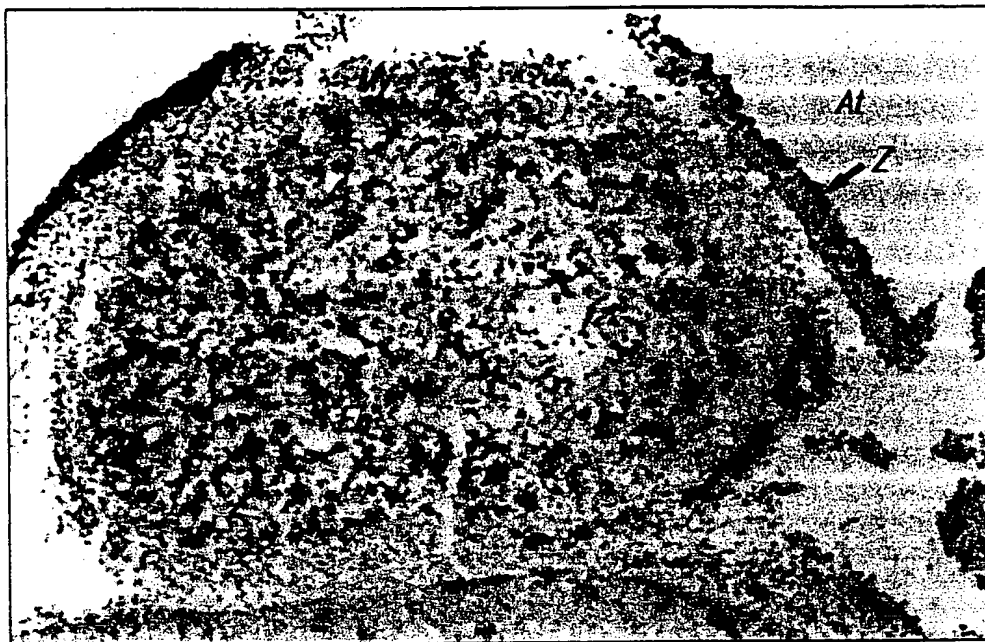


FIG. 4B

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FIG. 4C

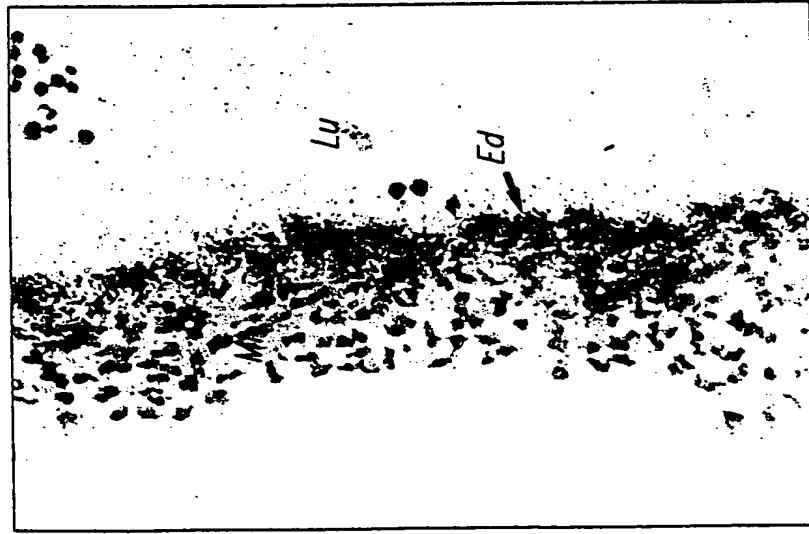


FIG. 4D

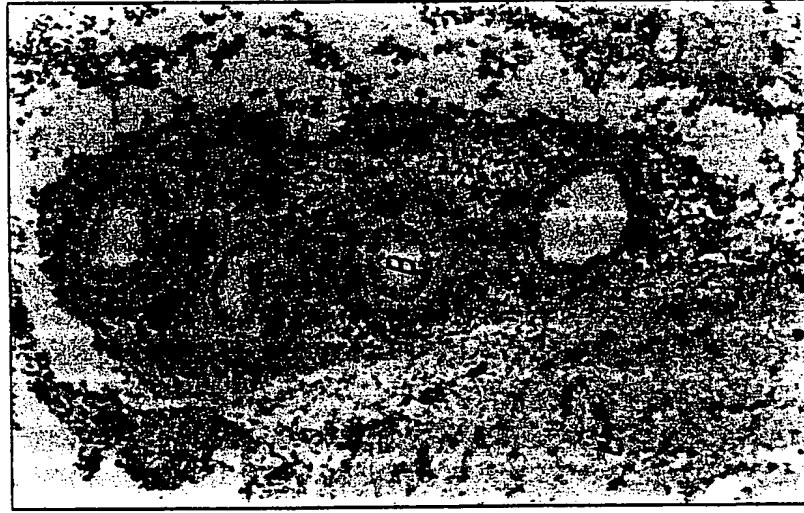


FIG. 4E



FIG. 5A

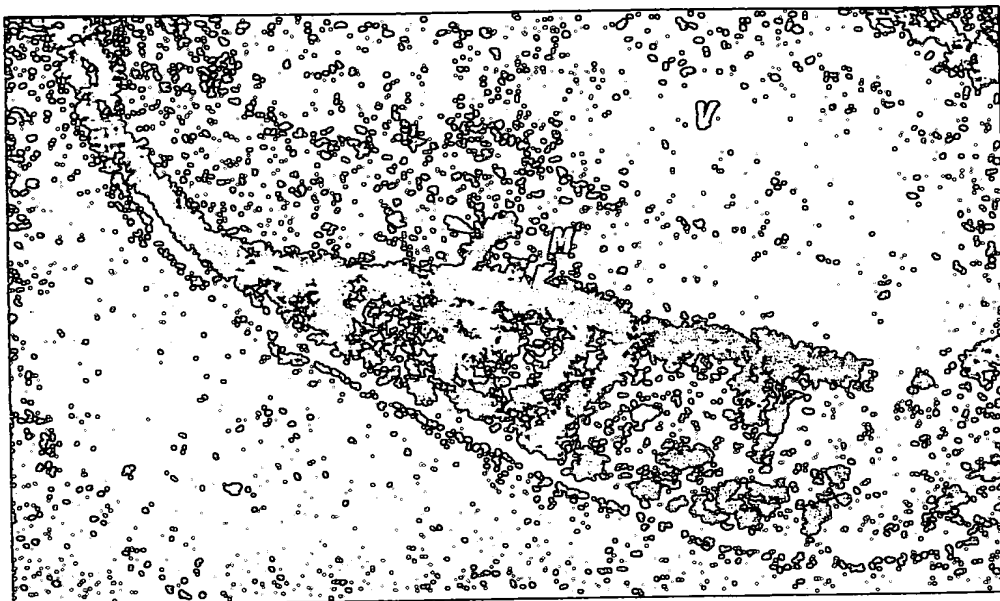


FIG. 5B

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FIG. 5C

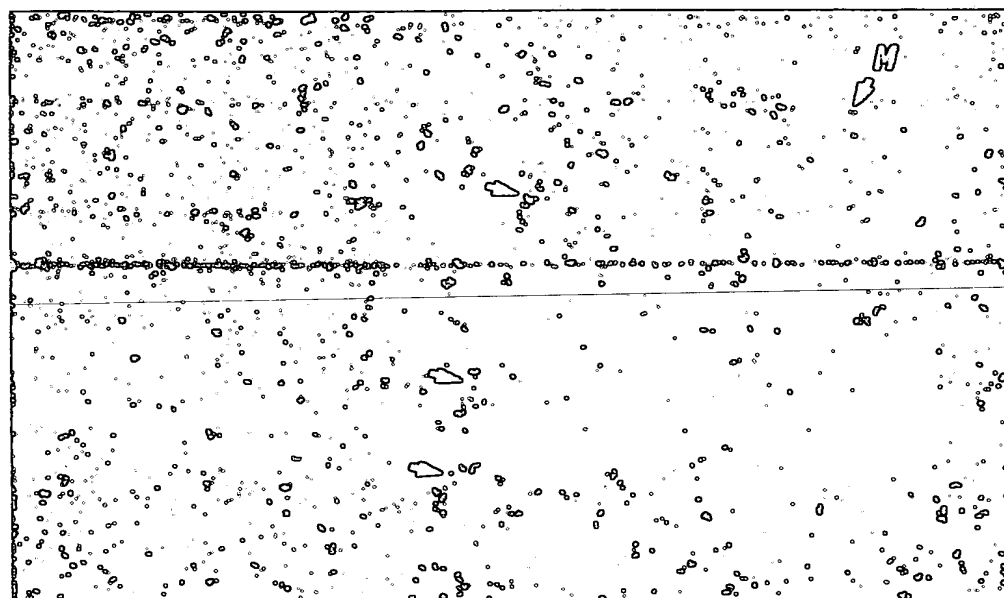
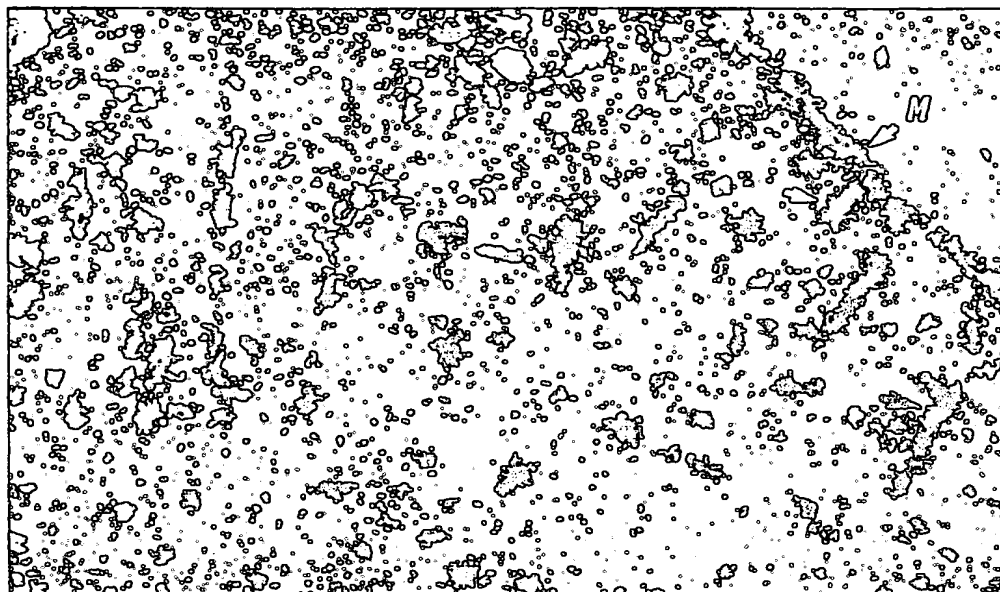


FIG. 5D

FIG. 6A

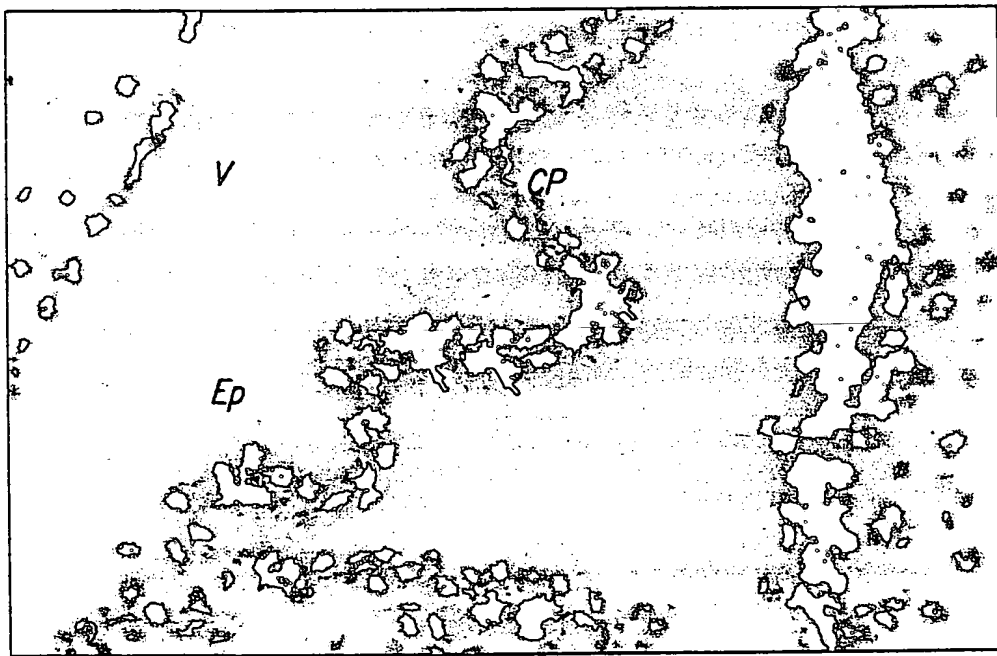
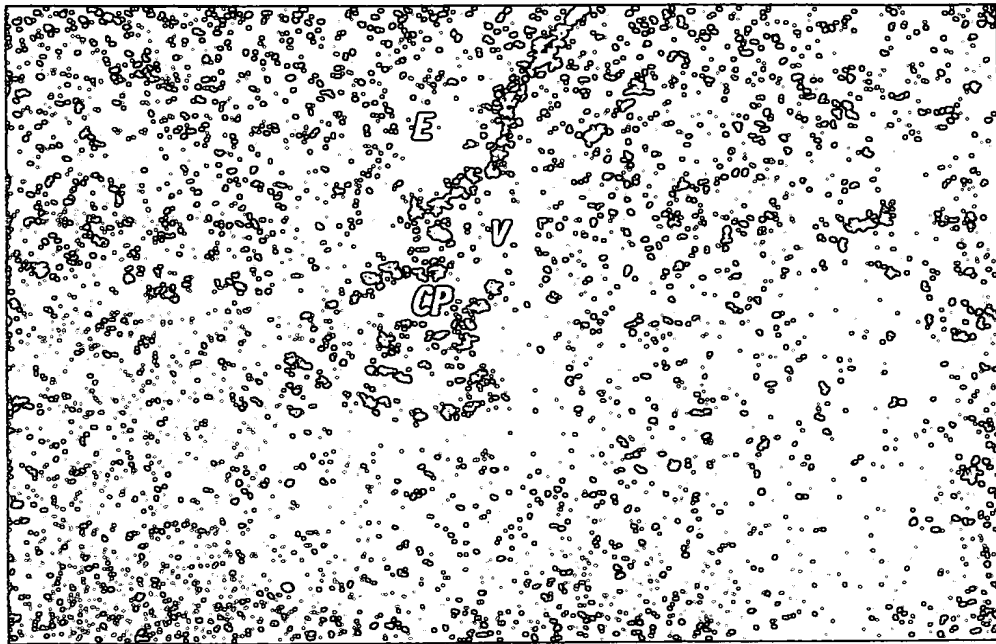


FIG. 6B

FIG. 7A

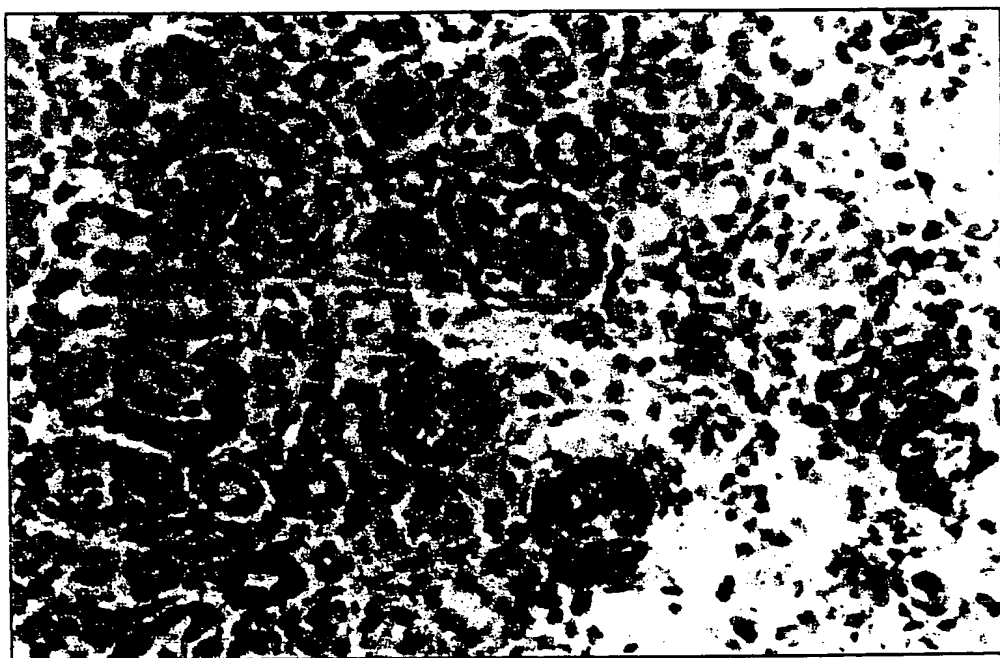
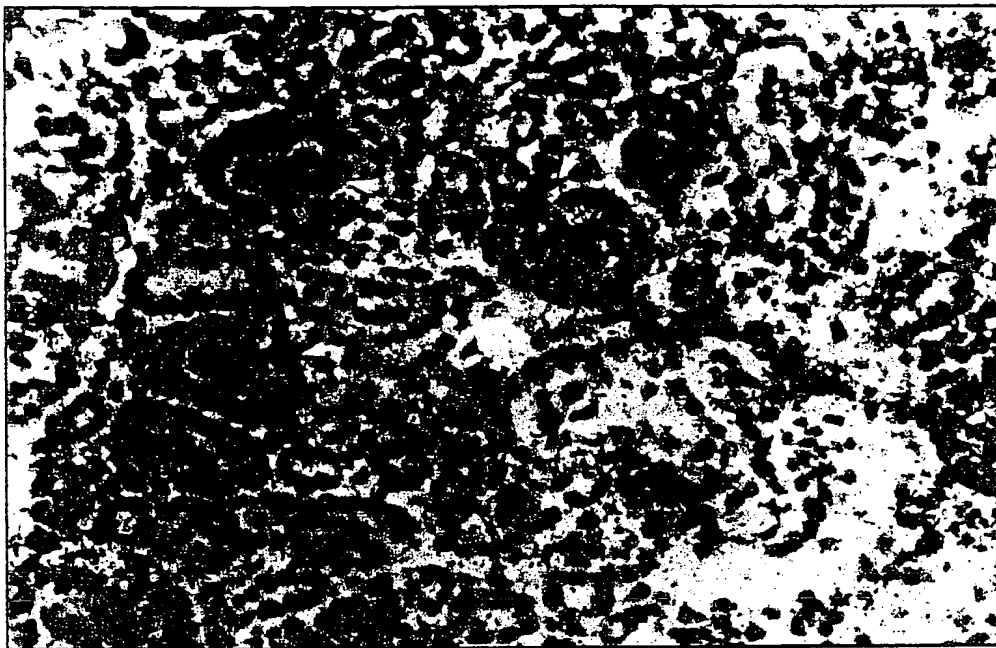


FIG. 7B

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FIG. 7C

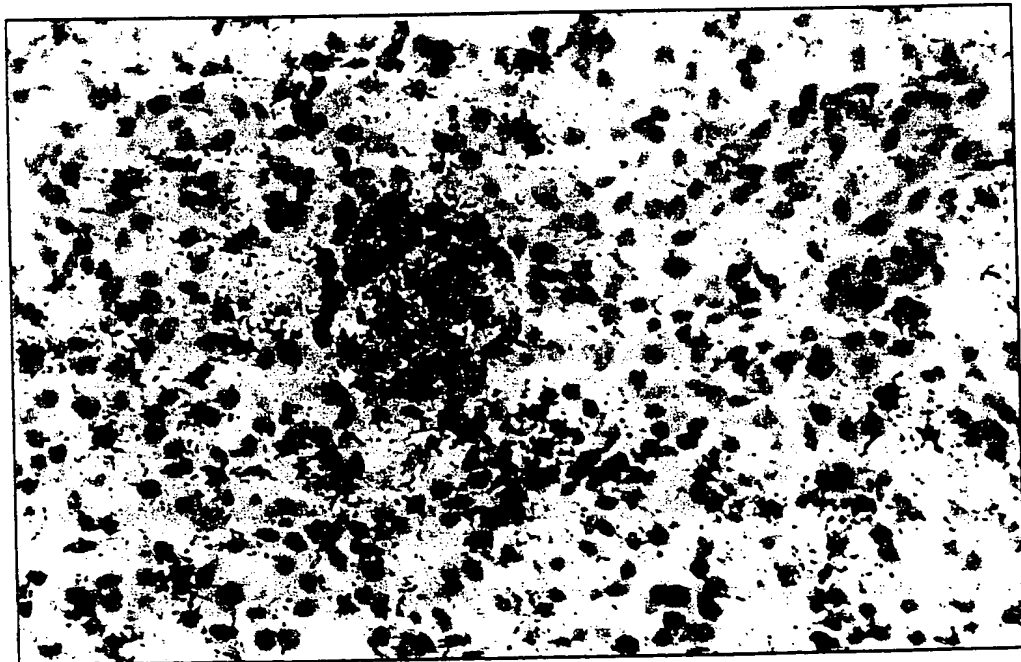


FIG. 7D

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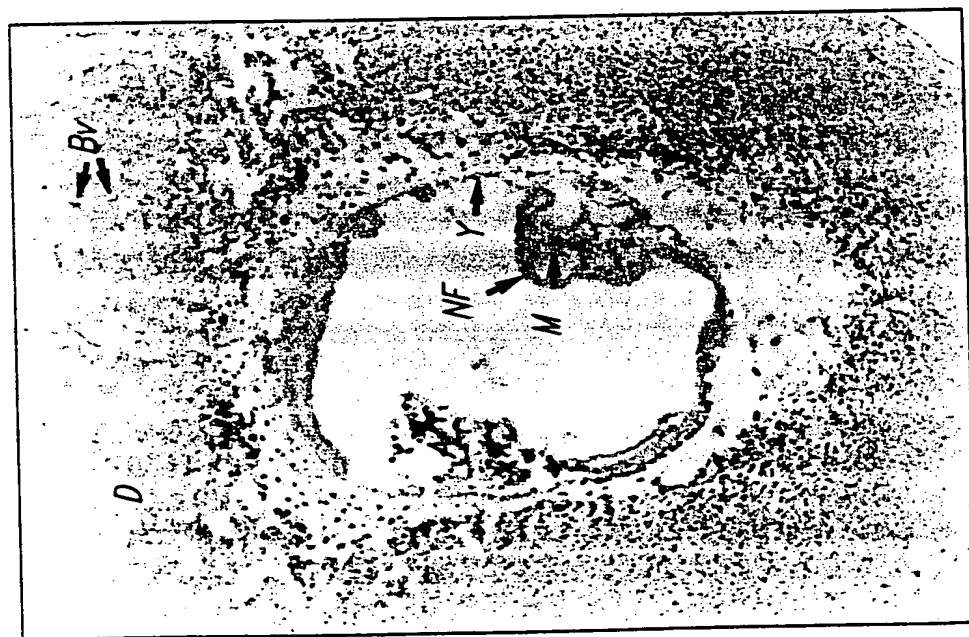


FIG. 8A

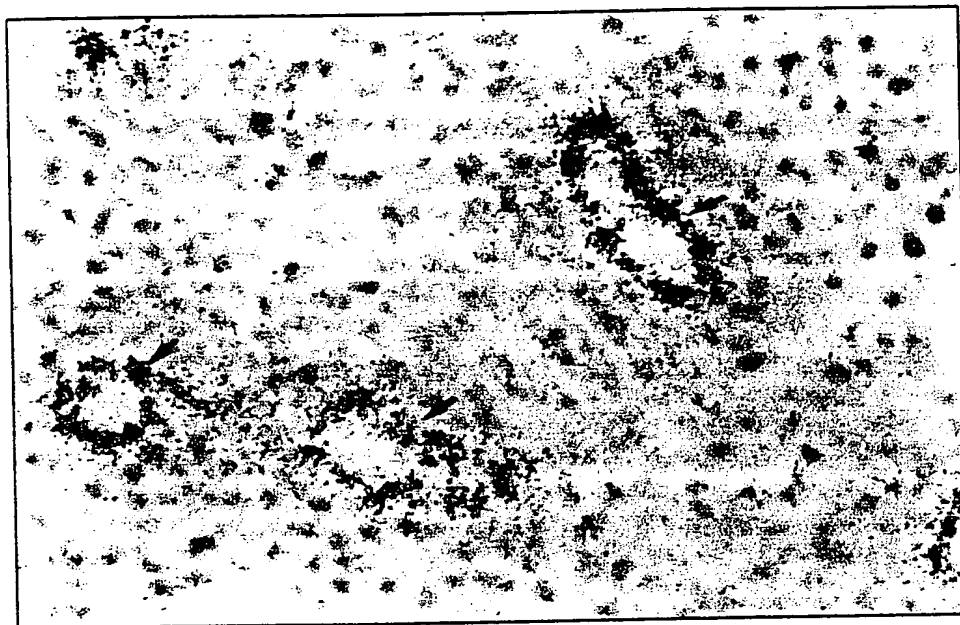


FIG. 8B

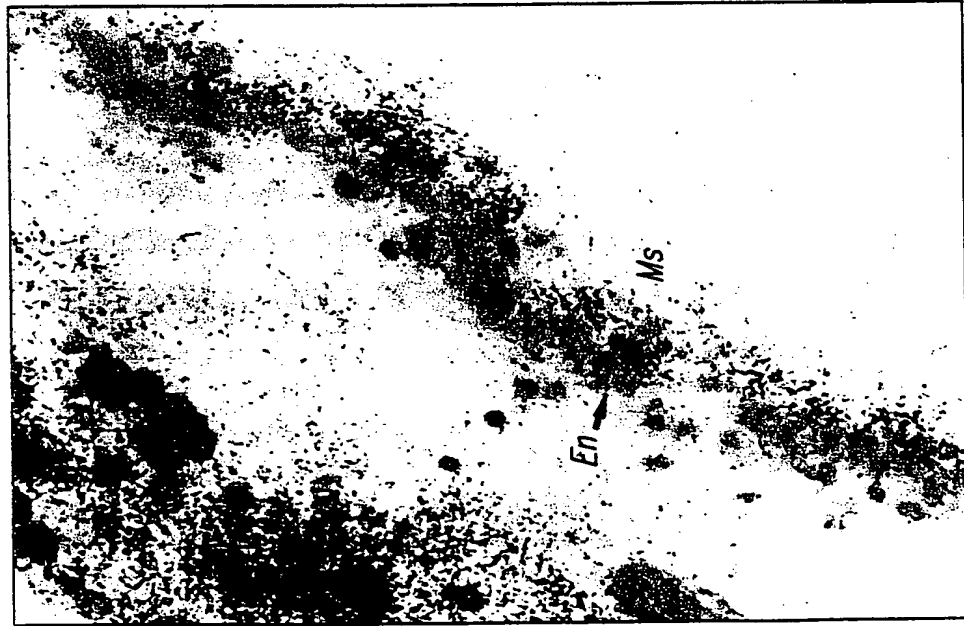


FIG. 8C



FIG. 8D

FIG. 9A

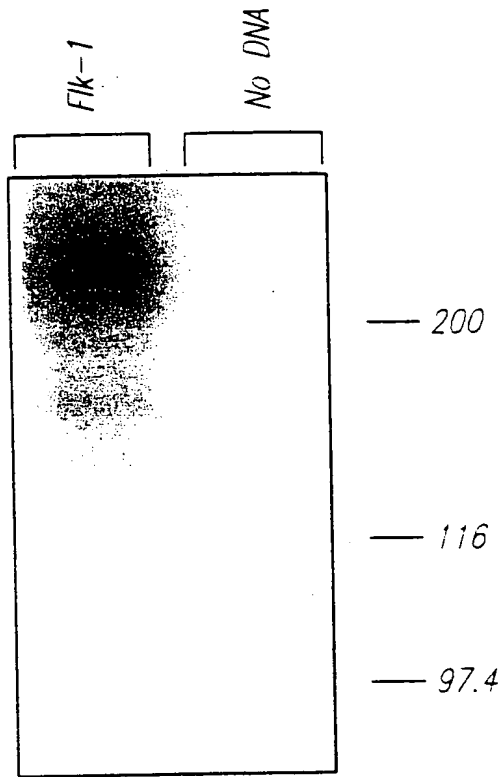


FIG. 10

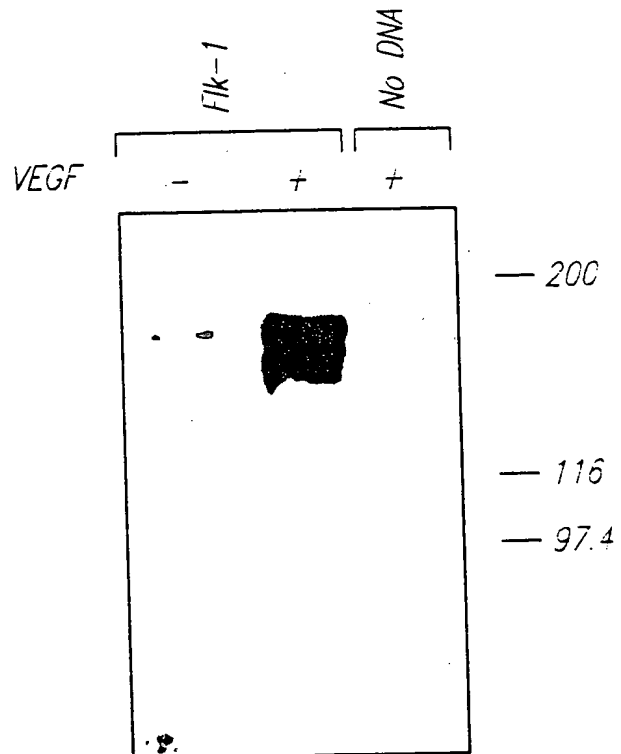


FIG. 11-1

CTGTGTCCCGCAGCCGGGATAACCTGGCTGACCCGATTCCGCGGACACCGCTGACAGCCGCGGCTGGAGCCAGGG 75
CGCCGGTGCCCCGCGCTCTCCCCGGTCTTGCCTGCGGGGCCATACCGCCTCTGTGACTTCTTTGCGGGCCAGG 150
GACGGAGAAGGAGTCTGTGCCTGAGAACTGGGCTCTGTGCCAGGCGCGAGGTGCAGGATGGAGAGCAAGGCGC 225
M E S K A L

TGCTAGCTGTGCTCTGTGGTTCTGCGTGGAGACCCGAGCCGCTCTGTGGGTTTGAAGTGGCGATTTTCTCCATC 300
L A V A L W F C V E T R A A S V G L T G D F L H P

CCCCAAGCTCAGCACACAGAAAGACATACTGACAAATTTGGCAAATACAACCTTCAGATTACTTGCAGGGGAC 375
P K L S T Q K D I L T I L A N T T L Q I T C R G Q

AGCGGGACCTGGACTGGCTTTGGCCCAATGCTCAGCGTGATTCTGAGGAAAGGGTATTGGTGACTGAATGCGGGC 450
R D L D W L W P N A Q R D S E E R V L V T E C G G

GTGGTGACAGTATCTTCTGCAAAACACTCACCATTCCCAGGGTGGTTGGAAATGATACTGGAGCCTACAAGTGCT 525
G D S I F C K T L T I P R V V G N D T G A Y K C S

CGTACCGGGACGTCGACATAGCCTCCACTGTTTATGTCTATGTTGAGATTACAGATCACCATTATCGCCTCTG 600
Y R D V D I A S T V Y V Y V R D Y R S P F I A S V

TCAGTGACCAGCATGGCATCGTGTACATCACCGAGAACAAGAACAAAACCTGTGGTGATCCCCTGCCGAGGGTCA 675
S D Q H G I V Y I T E N K N K T V V I P C R G S I

TTTCAAACCTCAATGTGTCTCTTTGCGCTAGGTATCCAGAAAAGAGATTGTTCCGGATGGAAACAGAATTTCT 750
S N L N V S L C A R Y P E K R F V P D G N R I S W

GGGACAGCGAGATAGGCTTTACTCTCCCCAGTTACATGATCAGCTATGCCGGCATGGTCTTCTGTGAGGCAAAGA 825
D S E I G F T L P S Y M I S Y A G M V F C E A K I

TCAATGATGAAACCTATCAGTCTATCATGTACATAGTTGTGGTTGTAGGATATAGGATTTATGATGTGATTCTGA 900
N D E T Y Q S I M Y I V V V V G Y R I Y D V I L S

GCCCCCGCATGAAATTGAGCTATCTGCCGGAGAAAACTTGTCTTAAATTGTACAGCGAGAACAGAGCTCAATG 975
P P H E I E L S A G E K L V L N C T A R T E L N V

TGGGGCTTGATTTACCTGGCACTCTCCACCTTCAAAGTCTCATCATAAGAAGATTGTAAACCGGGATGTGAAAC 1050
G L D F T W H S P P S K S H H K K I V N R D V K P

CCTTTCCTGGGACTGTGGCGAAGATGTTTTTGTAGCACCTTGACAATAGAAAGTGTGACCAAGAGTGACCAAGGGG 1125
F P G T V A K M F L S T L T I E S V T K S D Q G E

AATACACCTGTGTAGCGTCCAGTGGACGGATGATCAAGAGAAATAGAACATTTGTCCGAGTTCACACAAAGCCTT 1200
Y T C V A S S G R M I K R N R T F V R V H T K P F

TTATTGCTTTTCGGTAGTGGGATGAAATCTTTGGTGAAGCCACAGTGGGCAGTCAAGTCCGAATCCCTGTGAAGT 1275
I A F G S G M K S L V E A T V G S Q V R I P V K Y

ATCTCAGTTACCCAGCTCCTGATATCAAATGGTACAGAAATGGAAGGCCATTGAGTCCAACCTACACAATGATTG 1350
L S Y P A P D I K W Y R N G R P I E S N Y T M I V

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FIG. 11-2

TTGGCGATGAACTCACCATCATGGAAGTGAAGTGAAGAGATGCAGGAACTACACGGTCATCCTCACCAACCCCA 1425
G D E L T I M E V T E R D A G N Y T V I L T N P I

TTTCAATGGAGAAACAGAGCCACATGGTCTCTCTGGTTGTGAATGTCCCACCCAGATCGGTGAGAAAGCCTTGA 1500
S M E K Q S H M V S L V V N V P P Q I G E K A L I

TCTCGCCTATGGATTCTACAGTATGGGACCATGCAGACATTGACATGCACAGTCTACGCCAACCTCCCTGC 1575
S P M D S Y Q Y G T M Q T L T C T V Y A N P P L H

ACCACATCCAGTGGTACTGGCAGCTAGAAGAAGCCTGCTCCTACAGACCCGGCCAAACAAGCCCGTATGCTTGTA 1650
H I Q W Y W Q L E E A C S Y R P G Q T S P Y A C K

AAGAATGGAGACACGTGGAGGATTTCCAGGGGGGAAACAAGATCGAAGTCACCAAAAACCAATATGCCCTGATTG 1725
E W R H V E D F Q G G N K I E V T K N Q Y A L I E

AAGGAAAAAACAACTGTAAGTACGCTGGTTCATCCAAGCTGCCAACGTGTGACGTTGTACAAATGTGAAGCCA 1800
G K N K T V S T L V I Q A A N V S A L Y K C E A I

TCAACAAAGCGGGACGAGGAGAGAGGGTCTCTCTTCCATGTGATCAGGGGTCTGAAATTACTGTGCAACCTG 1875
N K A G R G E R V I S F H V I R G P E I T V Q P A

CTGCCCAGCCAACTGAGCAGGAGAGTGTGTCCCTGTTGTGCACTGCAGACAGAAATACGTTTGAGAACCTCACGT 1950
A Q P T E Q E S V S L L C T A D R N T F E N L T W

GGTACAAGCTTGGCTCACAGGCAACATCGGTCCACATGGGCGAATCACTCACACCAGTTTGCAAGAACTTGGATG 2025
Y K L G S Q A T S V H M G E S L T P V C K N L D A

CTCTTTGGAACTGAATGGCACCATGTTTTCTAACAGCACAAATGACATCTTGATTGTGGCATTTCAGAATGCCT 2100
L W K L N G T M F S N S T N D I L I V A F Q N A S

CTCTGCAGGACCAAGGCGACTATGTTTGCTCTGCTCAAGATAAGAAGACCAAGAAAAGACATTGCCTGGTCAAAC 2175
L Q D Q G D Y V C S A Q D K K T K K R H C L V K Q

AGCTCATCATCCTAGAGCGCATGGCACCCATGATCACCGGAAATCTGGAGAATCAGACAACAACCATTGGCGAGA 2250
L I I L E R M A P M I T G N L E N Q T T T I G E T

CCATTGAAGTGAAGTGGCCAGCATCTGGAATCCTACCCACACATTACATGGTTCAAAGACAACGAGACCCTGG 2325
I E V T C P A S G N P T P H I T W F K D N E T L V

TAGAAGATTGAGGATTGTAAGTGAAGATGGGAACCGGAACCTGACTATCCGCAGGGTGAGGAAGGAGGATGGAG 2400
E D S G I V L R D G N R N L T I R R V R K E D G G

GCCTCTACACCTGCCAGGCTGCAATGTCCTTGGCTGTGCAAGAGCGGAGACGCTCTTCATAATAGAAGGTGCCC 2575
L Y T C Q A C N V L G C A R A E T L F I I E G A Q

AGGAAAAGACCAACTTGAAGTCATTATCCTCGTCGGCACTGCAGTGATTGCCATGTTCTTCTGGCTCCTTCTTG 2550
E K T N L E V I I L V G T A V I A M F F W L L L V

TCATTGTCCTACGGACCGTTAAGCGGGCCAATGAAGGGGAACTGAAGACAGGCTACTTGTCTATTGTCATGGATC 2625
I V L R T V K R A N E G E L K T G Y L S I V M D P

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FIG. 11-3

CAGATGAATTGCCCTTGGATGAGCGCTGTGAACGCTTGCCTTATGATGCCAGCAAGTGGGAATCCCCAGGGACC 2700
 D E L P L D E R C E R L P Y D A S K W E F P R D R
 GGCTGAAACTAGGAAAACCTCTTGGCCGCGGTGCCTTCGGCCAAGTGATTGAGGCAGACGCTTTTGAATTGACA 2775
 L K L G K P L G R G A F G Q V I E A D A F G I D K
 AGACAGCGACTTGCAAAACAGTAGCCGTCAAGATGTTGAAAGAAGGAGCAACACACAGCGAGCATCGAGCCCTCA 2850
 T A T C K T V A V K M L K E G A T H S E H R A L M
 TGTCTGAACTCAAGATCCTCATCCACATTGGTCACCATCTCAATGTGGTGAACCTCCTAGGCGCTGCACCAAGC 2925
 S E L K I L I H I G H L N V V N L L G A C T K P
 CGGGAGGGCCTCTCATGGTGATTCTGCAATTCTCGAAGTTTGGAAACCTATCAACTTACTTACGGGGCAAGAGAA 3000
 G G P L M V I L Q F S K F G N L S T Y L R G K R N
 ATGAATTTGTTCCCTATAAGAGCAAAGGGGCACGCTTCGCCAGGGCAAGGACTACGTTGGGGAGCTCTCCGTGG 3075
 E F V P Y K S K G A R F R Q G K D Y V G E L S V D
 ATCTGAAAAGACGCTTGGACAGCATCACCAGCAGCCAGAGCTCTGCCAGCTCAGGCTTTGTTGAGGAGAAATCGC 3150
 L K R R L D S I T S S Q S S A S S G F V E E K S L
 TCAGTGATGTAGAGGAAGAAGAAGCTTCTGAAGAACTGTACAAGGACTTCTGACCTTGGAGCATCTCATCTGTT 3225
 S D V E E E E A S E E L Y K D F L T L E H L I C Y
 ACAGCTTCCAAGTGGCTAAGGGCATGGAGTTCTTGGCATCAAGGAAGTGTATCCACAGGGACCTGGCAGCACGAA 3300
 S F Q V A K G M E F L A S R K C I H R D L A A R N
 ACATTCTCCTATCGGAGAAGAATGTGGTTAAGATCTGTGACTTCGGCTTGGCCCGGGACATTTATAAAGACCCGG 3375
 I L L S E K N V V K I C D F G L A R D I Y K D P D
 ATTATGTCAGAAAAGGAGATGCCCGACTCCCTTTGAAGTGGATGGCCCCGGAACCATTTTTGACAGAGTATACA 3450
 Y V R K G D A R L P L K W M A P E T I F D R V Y T
 CAATTGAGAGCGATGTGTGGTCTTTGGTGTGTTGCTCTGGGAAATATTTTCTTAGGTGCCTCCCCATACCCTG 3525
 I Q S D V W S F G V L L W E I F S L G A S P Y P G
 GGGTCAAGATTGATGAAGAATTTTGTAGGAGATTGAAAGAAGGAAGTGAATGCGGGCTCCTGACTACACTACCC 3600
 V K I D E E F C R R L K E G T R M R A P D Y T T P
 CAGAAATGTACCAGACCATGCTGGACTGCTGGCATGAGGACCCCAACCAGAGACCCTCGTTTTGAGAGTTGGTGG 3675
 E M Y Q T M L D C W H E D P N Q R P S F S E L V E
 AGCATTTGGGAAACCTCCTGCAAGCAAATGCGCAGCAGGATGGCAAAGACTATATTGTTCTTCCAATGTCAGAGA 3750
 H L G N L L Q A N A Q Q D G K D Y I V L P M S E T
 CACTGAGCATGGAAGAGGATTCTGGACTCTCCCTGCCTACCTCACCTGTTTCTGTATGGAGGAAGAGGAAGTGT 3825
 L S M E E D S G L S L P T S P V S C M E E E E V C
 GCGACCCCAAATTCCATTATGACAACACAGCAGGAATCAGTCATTATCTCCAGAACAGTAAGCGAAAGAGCCGGC 3900
 D P K F H Y D N T A G I S H Y L Q N S K R K S R P

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FIG. 11-4

CAGTGAGTGTAAAAACATTTGAAGATATCCCATTTGGAGGAACCAGAAGTAAAAGTGATCCCAGATGACAGCCAGA 3975
 V S V K T F E D I P L E E P E V K V I P D D S Q T
 CAGACAGTGGGATGGTCCTTGCATCAGAAGAGCTGAAAACCTCTGGAAGACAGGAACAAATTATCTCCATCTTTTG 4050
 D S G M V L A S E E L K T L E D R N K L S P S F G
 GTGGAATGATGCCCAGTAAAAGCAGGGAGTCTGTGGCCTCGGAAGGCTCCAACCAGACCAGTGGCTACCAGTCTG 4125
 G M M P S K S R E S V A S E G S N Q T S G Y Q S G
 GGTATCACTCAGATGACACAGACACCACCGTGTACTCCAGCGACGAGGCAGGACTTTTAAAGATGGTGGATGCTG 4200
 Y H S D D T D T T V Y S S D E A G L L K M V D A A
 CAGTTCACGCTGACTCAGGGACCACACTGAGCTCACCTCCTGTTTAAATGGAAGTGGTCCTGTCCCGGCTCCGCC 4275
 V H A D S G T T L S S P P V
 CCCAACTCCTGGAAATCACGAGAGAGGTGCTGCTTAGATTTTCAAGTGTGTTCTTTCCACCACCCGGAAGTAGC 4350
 CACATTTGATTTTCATTTTTGGAGGAGGGACCTCAGACTGCAAGGAGCTTGTCTCAGGGCATTTCAGAGAAGA 4425
 TGCCCATGACCCAAGAATGTGTTGACTCTACTCTCTTTTCCATTCAATTTAAAAGTCCTATATAATGTGCCCTGCT 4500
 GTGGTCTCACTACCAGTTAAAGCAAAAGACTTTCAAACACGTGGACTCTGTCTCCAAGAAGTGGCAACGGCACC 4575
 TCTGTGAAACTGGATCGAATGGGCAATGCTTTGTGTGTTGAGGATGGGTGAGATGTCCAGGGCCGAGTCTGTCT 4650
 ACCTTGGAGGCTTTGTGGAGGATGCGGGCTATGAGCCAAGTGTTAAGTGTGGGATGTGGACTGGGAGGAAGGAAG 4725
 GCGCAAGCCGTCCGGAGAGCGGTTGGAGCCTGCAGATGCATTGTGCTGGCTCTGGTGGAGGTGGGCTTGTGGCCT 4800
 GTCAGGAAACGCAAAGGCGGCCGCGCAGGGTTTGGTTTTGGAAGTTTGCCTGCTCTTCACAGTCGGGTTACAGGC 4875
 GAGTTCCTGTGGCGTTTCTACTCCTAATGAGAGTTCCTTCCGGACTCTTACGTGTCTCCTGGCCTGGCCCCAG 4950
 GAAGGAAATGATGCAGCTTGCTCCTTCTCATCTCTCAGGCTGTGCCTTAATTCAGAACACCAAAAGAGAGGAAC 5025
 GTCGGCAGAGGCTCCTGACGGGGCCGAAGAATTGTGAGAACAGAACAGAACTCAGGGTTTCTGCTGGGTGGAGA 5100
 CCCACGTGGCGCCCTGGTGGCAGGTCTGAGGGTTCTCTGTCAAGTGGCGGTAAAGGCTCAGGCTGGTGTCTTCC 5175
 TCTATCTCCACTCCTGTGAGGCCCCAAGTCTCAGTATTTTAGCTTTGTGGCTTCTGATGGCAGAAAAATCTT 5250
 AATTGGTTGGTTTGCTCTCCAGATAATCACTAGCCAGATTTGAAATTACTTTTTAGCCGAGGTTATGATAACAT 5325
 CTACTGTATCCTTTAGAATTTTAACCTATAAACTATGTCTACTGGTTTCTGCCTGTGTGCTTATGTT 5393

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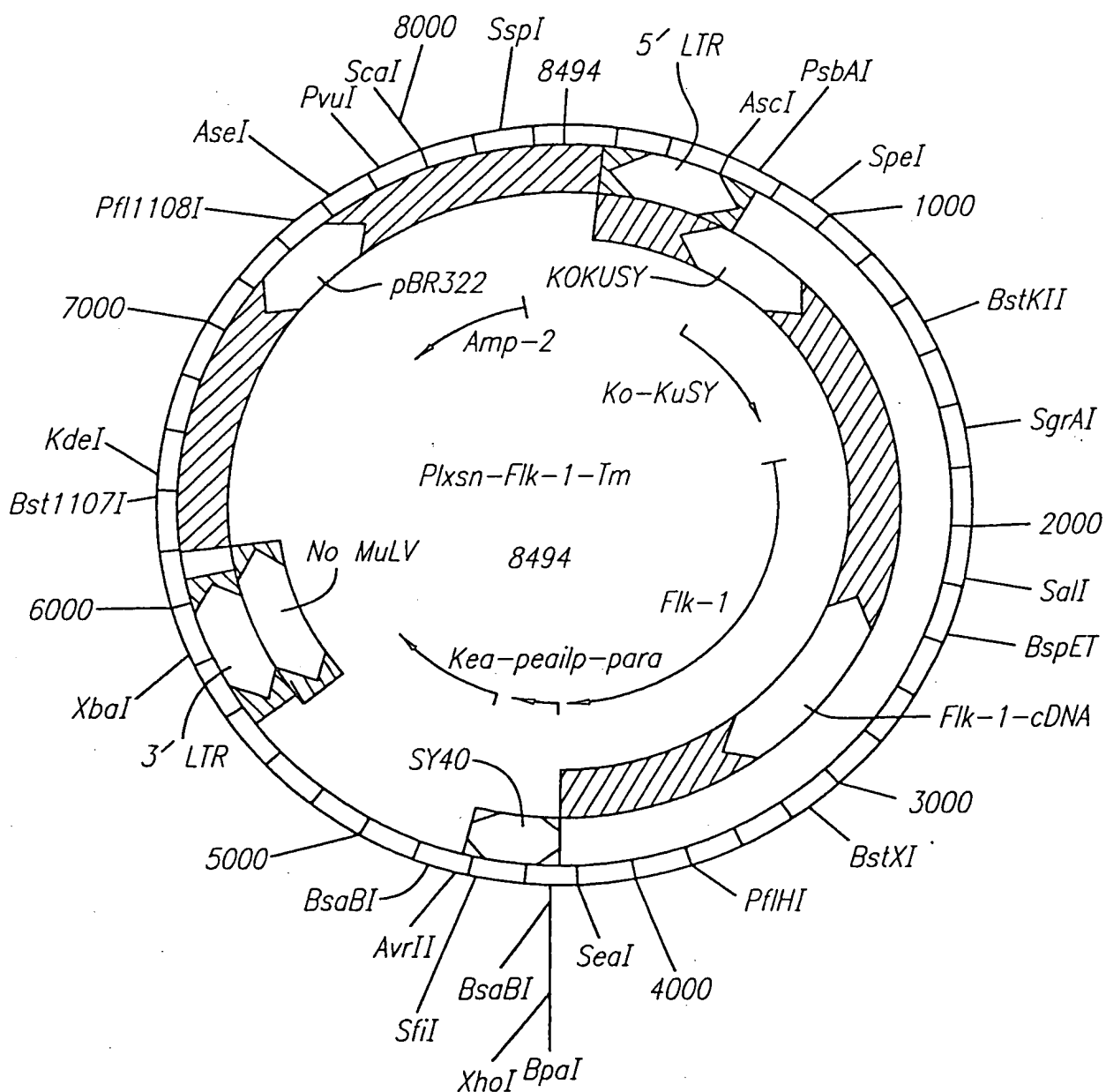


FIG. 12A

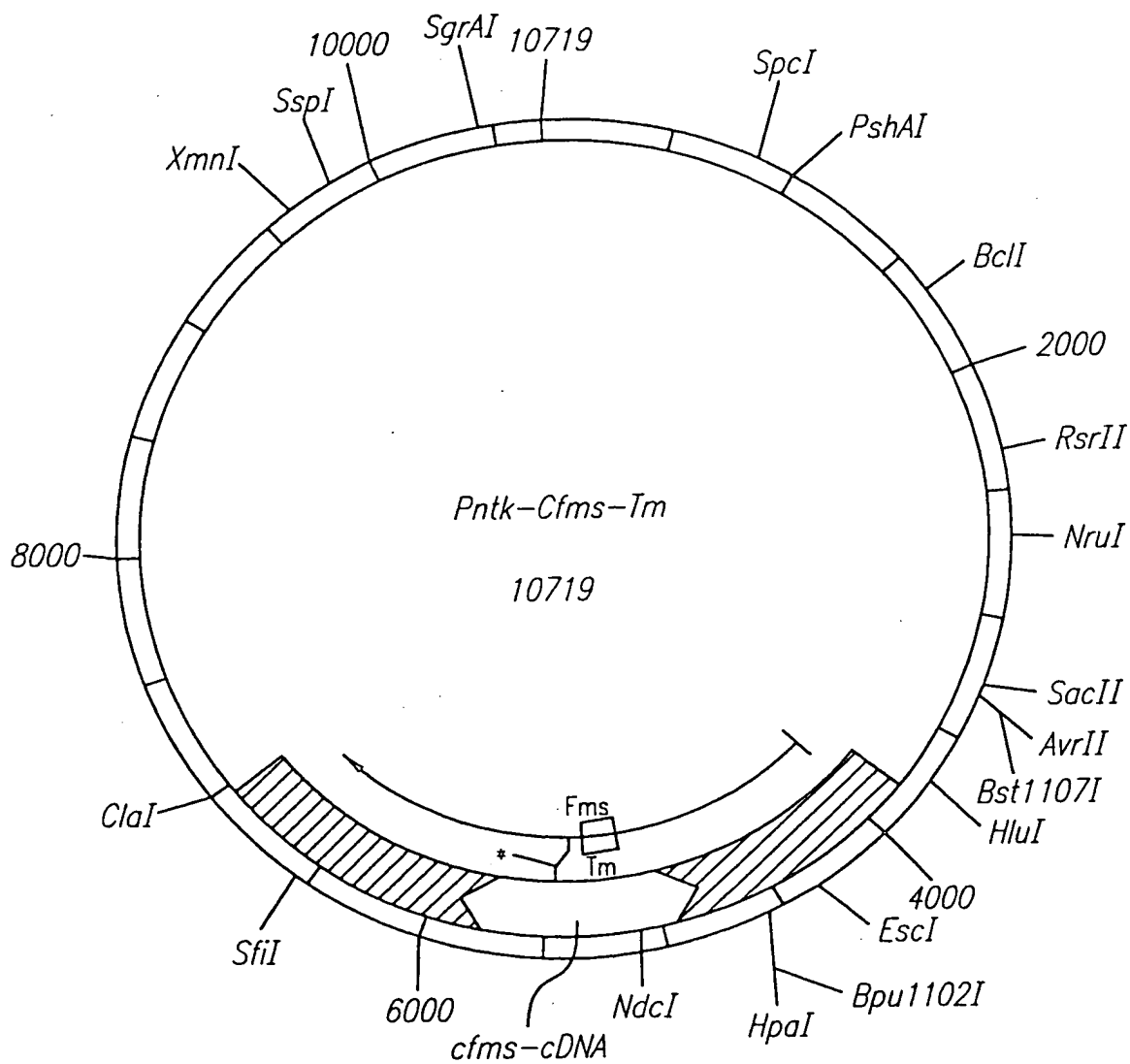


FIG. 12B



FIG. 9B

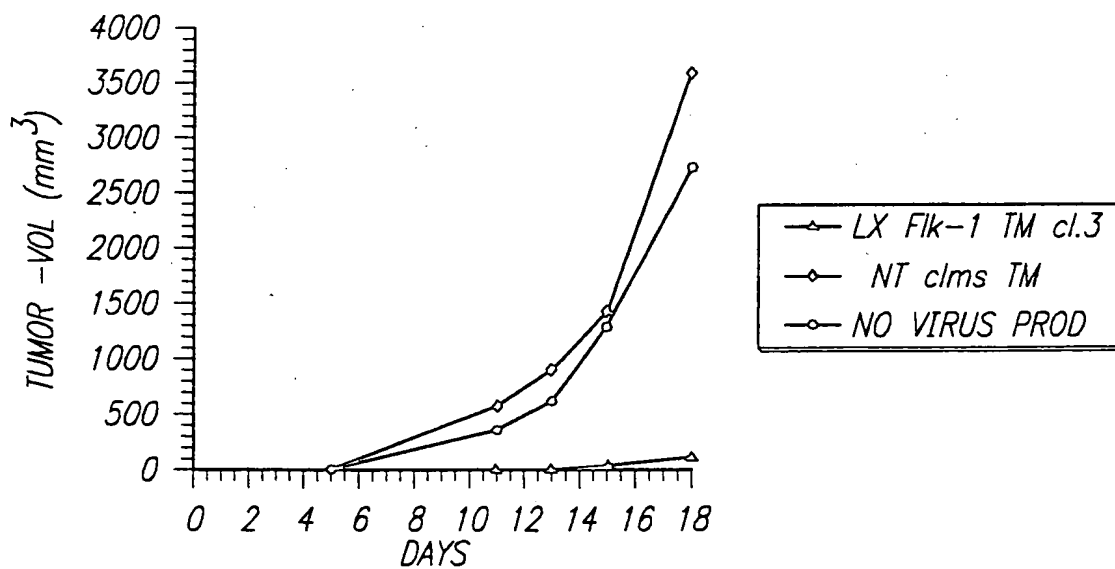
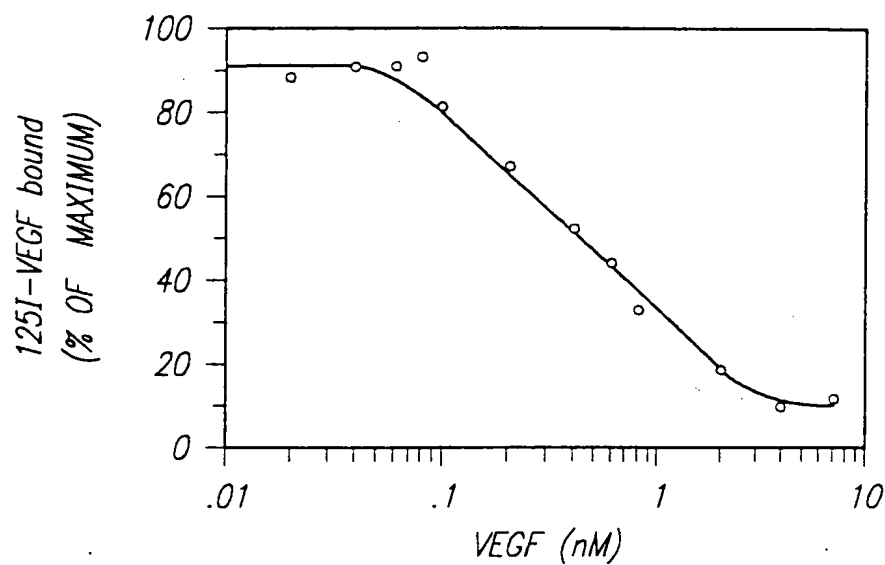


FIG. 13

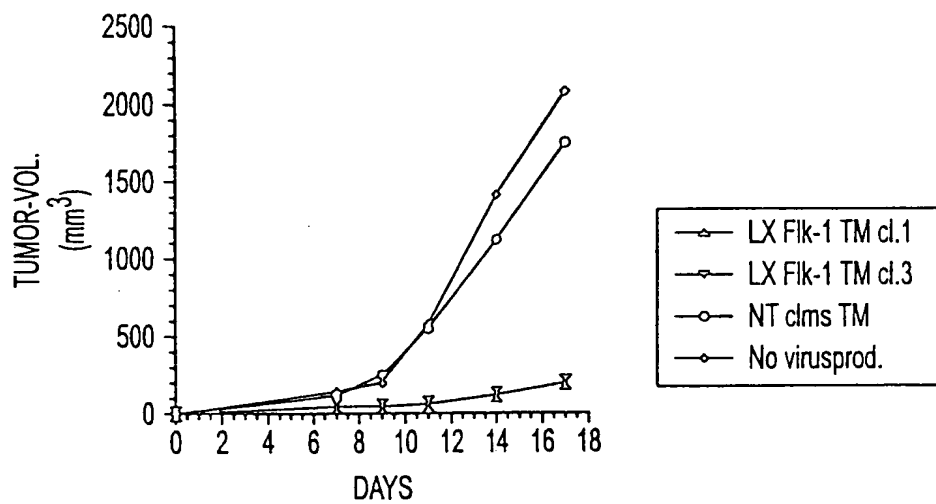


FIG. 14

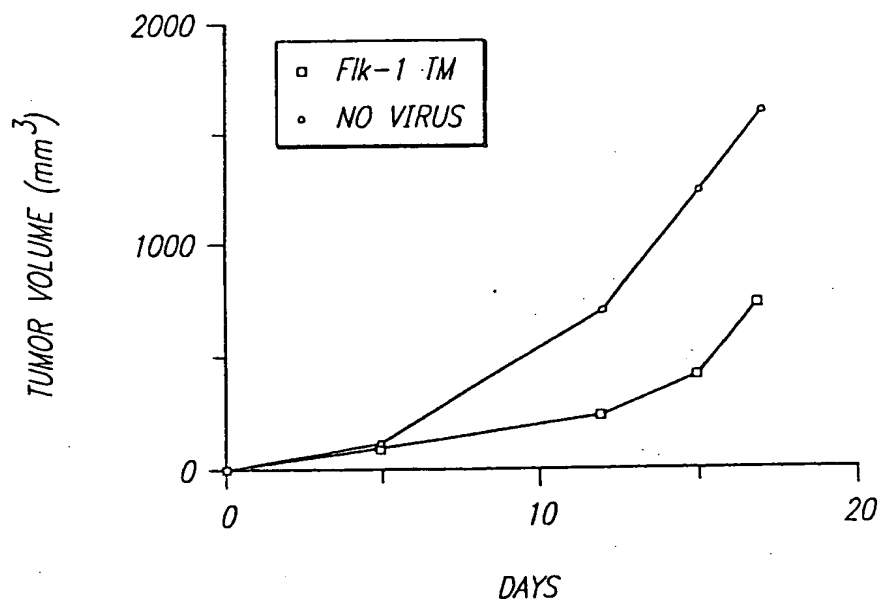


FIG. 15

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FIG. 16A

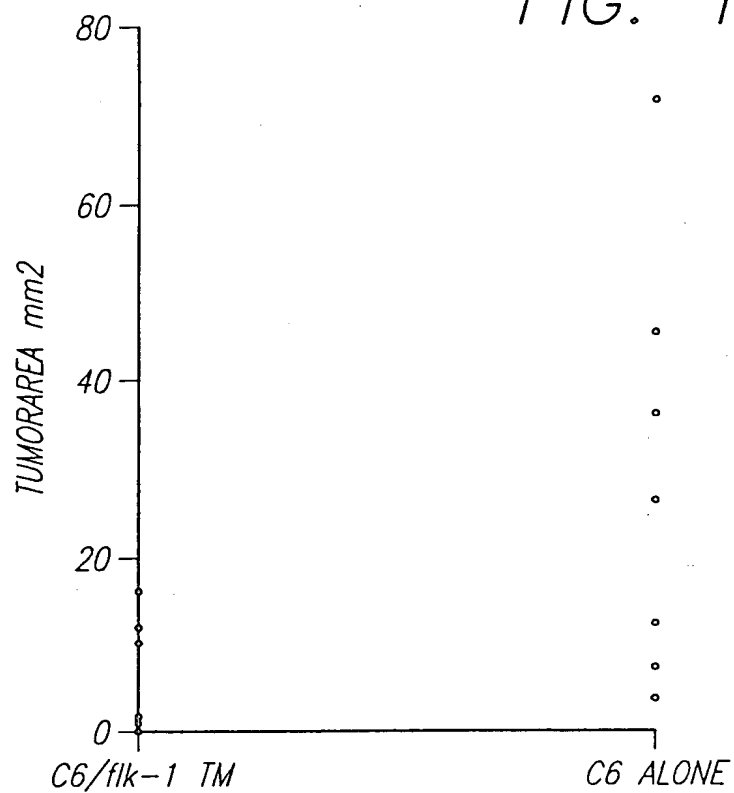


FIG. 16B

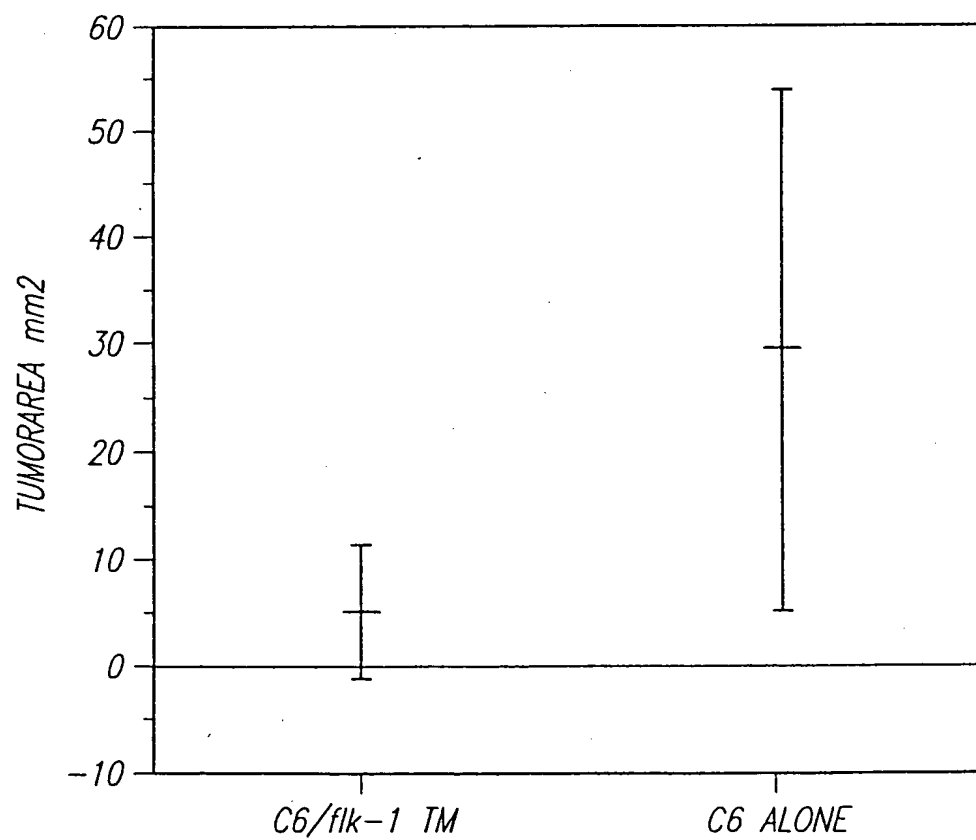
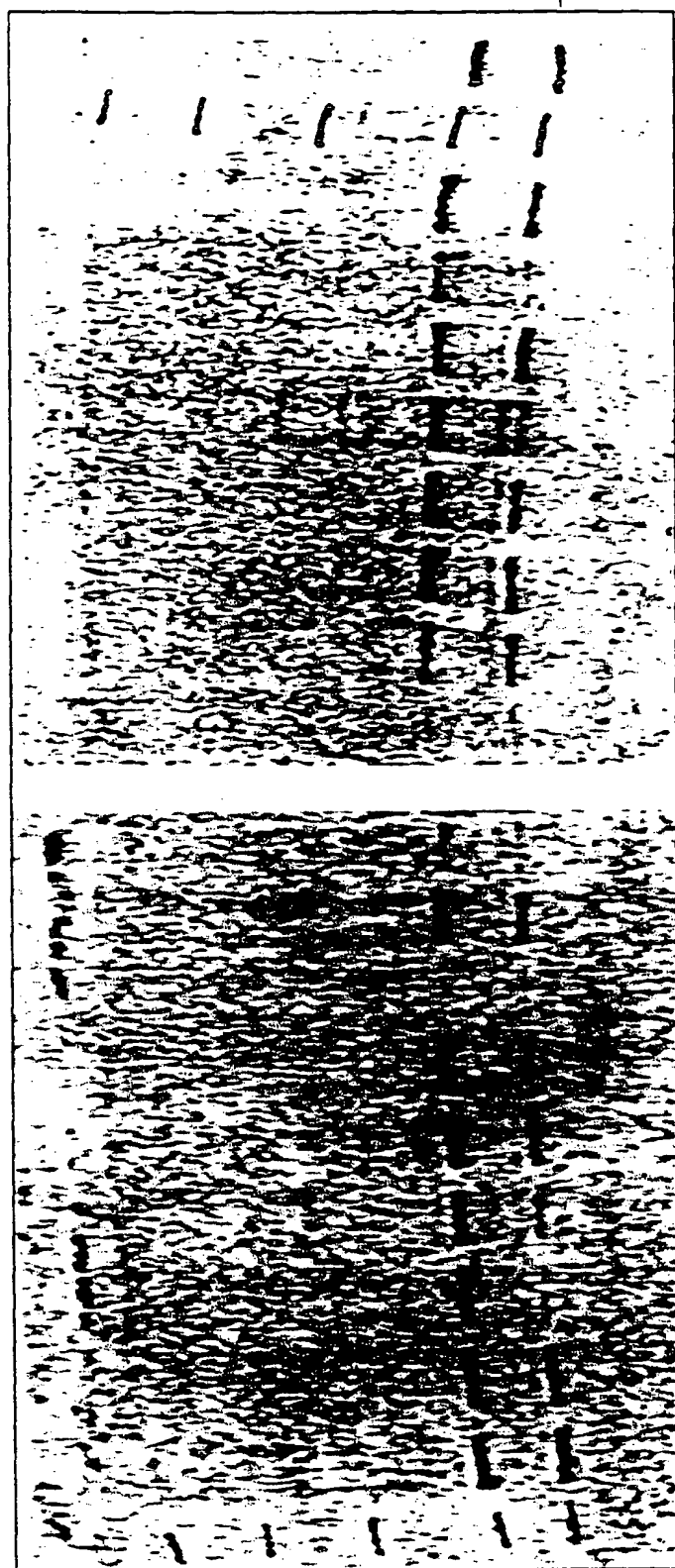


FIG. 17

FLK-1



CONTROL

MARKER

CONTROL

A1

A2

A3

A4

A5

A6

A7

A8

A9

A10

A11

A12

A13

A14

CONTROL

CONTROL

MARKER

FLK-1